

Claims

1. Method for delivering a multimedia message to a telecommunication device configured as a multimedia message sink, wherein

a) the multimedia message (MMN) is transmitted to a multimedia message service center (MMNDZ) configured as a multimedia message source for the delivery of the multimedia message (MMN) to the telecommunication device (ETKG) and stored,

b) the multimedia message service center (MMNDZ) sends a notification message (MN) directly or indirectly to the telecommunication device (ETKG), to inform the telecommunication device (ETKG) of the stored multimedia message (MMN),

characterized in that

c) in addition to the notification message (MN) the multimedia message service center (MMNDZ) also sends dial-in information (EWI) directly or indirectly to the telecommunication device (ETKG), informing the telecommunication device (ETKG) where it must dial in to, in order to be able to access the stored multimedia message (MMN),

d) the telecommunication device (ETKG) accesses the multimedia message service center (MMNDZ) or a storage unit (HLS) assigned to the multimedia message service center (MMNDZ) according to the dial-in information (EWI), in order to collect the multimedia message (MMN).

2. Method according to Claim 1, characterized in that the dial-in information (EWI) is inserted into the notification message (MMN).

3. Method according to Claim 1 or 2, characterized in that the notification message (MMN) is inserted into a short

message (KN) configured as a short message service message, the short message (KN) being sent on the instruction of the multimedia message service center (MMNDZ) from a short message service center (KNDZ) to the telecommunication device (ETKG).

4. Method according to Claim 1 or 2, characterized in that the notification message (MMN) is inserted into a wireless application protocol push message and the wireless application protocol push message is inserted into a short message (KN) configured as a short message service message, the short message (KN) being sent on the instruction of the multimedia message service center (MMNDZ) from a short message service center (KNDZ) to the telecommunication device (ETKG).

5. Method according to Claim 3 or 4, characterized in that the short message service center (KNDZ) is instructed by the multimedia message service center (MMNDZ) in that the notification message (MMN) and dial-in information (EWI) are sent by the multimedia message service center (MMNDZ) to the short message service center (KNDZ).

6. Method according to one of Claims 1 to 5, characterized in that the multimedia message service center (MMNDZ) transmits information (INF) about the multimedia message (MMN) stored in the multimedia message service center (MMNDZ) to a further multimedia message service center (MMNDZ'), the further multimedia message service center (MMNDZ') sending the notification message (MN) and the dial-in information (EWI) directly or indirectly to the telecommunication device (ETKG) on the basis of the transmitted information (INF).

7. Method according to Claim 1, characterized in that on receipt of the dial-in information (EWI) sent by the

multimedia message service center (MMNDZ), the telecommunication terminal (ETKG) verifies the dial-in information (EWI) before access takes place as a function of said verification.

8. Method according to Claim 7, characterized in that the dial-in information (EWI) is verified automatically on the basis of an exclusion list with excluded dial-in information, an authorization list with authorized dial-in information or a special list with generally applicable rules for permitted dial-in information, in particular the 0190 prefix.

9. Method according to Claim 7, characterized in that the dial-in information (EWI) is verified in dialog with the user of the telecommunication device (ETKG) such that the dial-in information (EWI) is displayed acoustically or visually to the user and said user must then confirm the displayed dial-in information (EWI) before access takes place.

10. Method according to Claim 1, characterized in that the multimedia message service center (MMNDZ) controls utilization of the storage unit (HLS) in respect of storage of multimedia messages using the dial-in information (EWI).

11. Method according to Claim 1, characterized in that access to the multimedia message service center (MMNDZ) or the storage unit (HLS) assigned to the multimedia message service center (MMNDZ) takes place according to the dial-in information (EWI) via a dial-in node (EWK).

12. Method according to Claim 1, 7, 9 or 11, characterized in that access to the multimedia message service center (MMNDZ) or the storage unit (HLS) assigned to the multimedia message

service center (MMNDZ) takes place via a telecommunication connection or via an Internet connection according to the TCP/IP protocol.

13. Method according to Claim 1, characterized in that in the multimedia message (MMN), the notification message (MN) and the dial-in information (EWI) are transmitted via a fixed network or a mobile network.

14. Method according to Claim 1, characterized in that audio, video and/or text data is transmitted with the multimedia message (MMN).

15. Multimedia message service center for delivering a multimedia message to a telecommunication device configured as a multimedia message sink, which as the multimedia message source

a) has a central control unit (ZST) which controls the operational and functional processes in the multimedia message service center (MMNDZ) and to which at least one storage unit (HLS) is assigned for storing multimedia messages,

b) has a receive device (EME) for receiving multimedia messages, which receives the multimedia message (MMN) to be delivered to the telecommunication device (ETKG) and which is connected to the central control device (ZST) to forward the multimedia message (MMN) to said central control device (ZST),

c) has registration means (RM) assigned to the central control unit (ZST), which store the multimedia message (MMN) arriving in the central control unit (ZST) at one of the storage units (HLS),

d) has means for generating notification messages (MNEM) assigned to the central control unit (ZST), which generate a notification message (MN) relating to the multimedia message

(MMN) that has arrived in the central control unit (ZST),
e) has a send device (SEE) for sending notification messages,
which is connected to the central control unit (ZST), receives
the notification message (MN) from the central control unit
(ZST) via this connection and sends it directly or indirectly
to the telecommunication device (ETKG), to inform the
telecommunication device (ETKG) of the stored multimedia
message (MMN),

characterized in that

f) means for generating dial-in information (EWIEM) assigned
to the central control unit (ZST) are present, which in
addition to the generated notification message (MN) generate
dial-in information (EWI), to inform the telecommunication
device (ETKG) where it must dial in to, in order to be able to
access the stored multimedia message (MMN),

g) the send device (SEE) for sending the notification messages
is configured such that it sends the dial-in information (EWI)
received via the connection to the central control unit (ZST)
in addition to the notification message (MN) directly or
indirectly to the telecommunication device (ETKG), so that the
telecommunication device (ETKG) can access the multimedia
message service center (MMNDZ) or the storage unit (HLS)
assigned to the multimedia message service center (MMNDZ)
according to the dial-in information (EWI), to collect the
multimedia message (MMN).

16. Multimedia message service center according to Claim 15,
characterized in that the means for generating dial-in
information (EWIEM) and the means for generating notification
messages (MNEM) are configured to form a functional unit such
that the dial-in information (EWI) is inserted into the
notification message (MN).

17. Multimedia message service center according to Claim 15 or 16, characterized in that the notification message (MN) is inserted into a short message (KN) configured as a short message service message and the multimedia message service center (MMNDZ) is connected to a short message service center (KNDZ), so that on the instruction of the multimedia message service center (MMNDZ) the short message (KN) is sent from a short message service center (KNDZ) to the telecommunication device (ETKG).

18. Multimedia message service center according to Claim 15 or 16, characterized in that the notification message (MN) is inserted into a wireless application protocol push message and the wireless application protocol push message is inserted into a short message (KN) configured as a short message service message and the multimedia message service center (MMNDZ) is connected to a short message service center (KNDZ), so that on the instruction of the multimedia message service center (MMNDZ) the short message (KN) is sent from a short message service center (KNDZ) to the telecommunication device (ETKG).

19. Multimedia message service center according to Claim 17 or 18, characterized in that the send device (SEE) and the central control unit (ZST) are configured such that the notification message (MN) and the dial-in information (EWI) are sent to the short message service center (KNDZ) to instruct the short message service center (KNDZ).

20. Multimedia message service center according to one of Claims 15 to 19, characterized in that the send device (SEE) and the central control unit (ZST) are configured such that information (INF) about the multimedia message (MMN) stored in

the multimedia message service center (MMNDZ) and the dial-in information (EWI) are transmitted to a further multimedia message service center (MMNDZ'), the further multimedia message service center (MMNDZ') sending the notification message (MN) and the dial-in information (EWI) directly or indirectly to the telecommunication device (ETKG) on the basis of the transmitted information (INF).

21. Multimedia message service center according to Claim 15, 19 or 20, characterized in that the central control unit (ZST) is configured such that utilization of the storage unit (HLS) in respect of storage of the multimedia messages () can be controlled using the dial-in information (EWI).

22. Multimedia message service center according to Claim 15, 19, 20 or 21, characterized in that the central control unit (ZST) and every storage unit (HLS) are assigned a common dial-in node (EWK) or a respective common dial-in node (EWK), via which the telecommunication device (ETKG) accesses the multimedia message service center (MMNDZ) or the storage unit (HLS) assigned to the multimedia message service center (MMNDZ) according to the dial-in information (EWI).

23. Multimedia message service center according to Claim 15 or 22, characterized in that the multimedia message service center (MMNDZ) or the storage unit (HLS) assigned to the multimedia message service center (MMNDZ) is connected via a telecommunication connection or Internet connection according to the TCP/IP protocol to the telecommunication device (ETKG).

24. Multimedia message service center according to Claim 15, characterized in that the multimedia message service center (MMNDZ) is assigned to the fixed network or the mobile

network.

25. Multimedia message service center according to Claim 15, characterized in that the multimedia message (MMN) has audio, video and/or text data.

26. Telecommunication device for accessing multimedia messages stored in at least one storage unit of a multimedia message service center, which

a) has a central control device (ZSTE) for controlling the operational and functional processes in the telecommunication device (ETKG),

b) has a collection device (AHE) for collecting messages and/or information, which is connected to the central control device (ZSTE),

c) has a receiver (EM) for receiving a notification message (MN) sent directly or indirectly from the multimedia message service center (MMNDZ) to the telecommunication device (ETKG), which is connected to the central control device (ZSTE) and forwards the notification message (MMN) to the central control device (ZSTE) to inform the telecommunication device (ETKG) of a multimedia message (MMN) stored in the multimedia message service center (MMNDZ) for the telecommunication device (ETKG),

characterized in that

d) identification means (EKM) assigned to the central control device (ZSTE) are present, which are configured such that dial-in information (EWI) received by the receiver (EM) in addition to the notification message (MN) and forwarded to the central control device (ZSTE) is identified, informing the telecommunication device (ETKG) where it must dial in to, in order to be able to access the stored multimedia message (MMN),

b) the collection device (AHE) and the central control device (ZSTE) with the assigned identification means (EKM) are configured such that the central control device (ZSTE) accesses the multimedia message service center (MMNDZ) or the storage unit (HLS) assigned to the multimedia message service center (MMNDZ) via the collection device (AHE) using the dial-in information (EWI), to collect the multimedia message (MMN).

27. Telecommunication device according to Claim 26, characterized in that the dial-in information (EWI) is inserted into the notification message (MN).

28. Telecommunication device according to Claim 26 or 27, characterized in that the notification message (MN) is inserted into a short message (KN) configured as a short message service message and the telecommunication device (ETKG) is connected to a short message service center (KNDZ), which sends the short message (KN) to the telecommunication device (ETKG) on the instruction of the multimedia message service center (MMNDZ).

29. Telecommunication device according to Claim 26 or 27, characterized in that the notification message (MN) is inserted into a wireless application protocol push message and the wireless application protocol push message is inserted into a short message (KN) configured as a short message service message and the telecommunication device (ETKG) is connected to a short message service center (KNDZ), which sends the short message (KN) to the telecommunication device (ETKG) on the instruction of the multimedia message service center (MMNDZ).

30. Telecommunication device according to one of Claims 26 to 27, characterized in that the telecommunication device (ETKG) can be connected directly or indirectly to a further multimedia message service center (MMNDZ'), which sends the notification message (MN) and dial-in information (EWI) directly or indirectly to the telecommunication terminal (ETKG) on the instruction of the multimedia message service center (MMNDZ), in which the multimedia message (MMN) is stored.

31. Telecommunication device according to Claim 26, characterized in that verification means (ÜPM) assigned to the central control device (ZSTE) are present, which are configured to form a functional unit with the identification means (EKM) such that after identification of the dial-in information (EWI) sent by the multimedia message service center (MMNDZ) and received by the receiver (EM), the dial-in information (EWI) is verified, before access by the central control device (ZSTE) takes place as a function of this verification.

32. Telecommunication device according to Claim 31, characterized in that a storage device (SPE) assigned to the central control device (ZSTE) is present, which forms a functional unit with the verification means (ÜPM), said functional unit being configured such that verification of the dial-in information (EWI) takes place automatically based on an exclusion list with excluded dial-in information stored in the storage device (SPE), an authorization list with authorized dial-in information stored in the storage device (SPE) or a special list with generally applicable rules for permitted dial-in information, in particular the 0190 prefix,

stored in the storage device (SPE).

33. Telecommunication device according to Claim 31, characterized in that a keyboard (TA), electro-acoustic converter (EAW) and display device (AE) assigned to the central control device (ZSTE) are present, which form a functional unit with the central control device (ZSTE) and the verification means (ÜPM), said functional unit being configured such that verification of the dial-in information (EWI) takes place in dialog with the user of the telecommunication device (ETKG) such that the dial-in information (EWI) is displayed acoustically or visually to the user and said user must then confirm the displayed dial-in information (EWI), before access by the central control device (ZSTE) takes place.

34. Telecommunication device according to Claim 26, 31, 32 or 33, characterized in that the central control device (ZSTE) is connected via the collection device (AHE) to a dial-in node (EWK), via which the multimedia message service center (MMNDZ) or the storage unit (HLS) assigned to the multimedia message service center (MMNDZ) is accessed according to the dial-in information (EWI).

35. Telecommunication device according to Claim 26, 30, 32 or 33, characterized in that the central control device (ZSTE) is connected via the collection unit (AHE) and via a telecommunication connection or via an Internet connection according to the TCP/IP protocol to the multimedia message service center (MMNDZ) or the storage unit (HLS) assigned to the multimedia message service center (MMNDZ), via which access takes place.

36. Telecommunication device according to Claim 26, characterized in that the telecommunication device (ETKG) is a fixed network or mobile network device, in particular a cordless mobile unit.

37. Telecommunication device according to Claim 26, characterized in that the multimedia message (MMN) has audio, video and/or text data.